



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/033,303

Source: OTPE

Date Processed by STIC: 4/6/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/033,303

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



OIKE

RAW SEQUENCE LISTING

DATE: 04/06/2004

PATENT APPLICATION: US/10/033,303

TIME: 09:27:13

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04062004\J033303.raw

3 <110> APPLICANT: Schneider, Luke V.
 4 Hall, Michael P.
 5 Petesch, Robert
 7 <120> TITLE OF INVENTION: Methods for Determining Protein and Peptide Terminal
 8 Sequences
 10 <130> FILE REFERENCE: 05265.P001X
 12 <140> CURRENT APPLICATION NUMBER: US 10/033,303
 14 <141> CURRENT FILING DATE: 2001-10-19
 16 <150> PRIOR APPLICATION NUMBER: US 60/242,398
 18 <151> PRIOR FILING DATE: 2000-10-19
 20 <160> NUMBER OF SEQ ID NOS: 24
 23 <210> SEQ ID NO: 1
 25 <211> LENGTH: 12
 27 <212> TYPE: DNA
 29 <213> ORGANISM: Unknown
 W--> 31 <220> FEATURE: No specific feature is noted.
 33 <223> OTHER INFORMATION: No other relevant information.
 36 <400> SEQUENCE: 1
 38 gttacaggaa at 12
 45 <210> SEQ ID NO: 2
 47 <211> LENGTH: 18
 49 <212> TYPE: DNA
 51 <213> ORGANISM: M13 origin of replication primer
 W--> 53 <220> FEATURE: No specific feature is noted.
 55 <223> OTHER INFORMATION: No other relevant information.
 58 <400> SEQUENCE: 2
 60 agtcacgacg acgttgta 18
 67 <210> SEQ ID NO: 3
 69 <211> LENGTH: 12
 71 <212> TYPE: DNA
 73 <213> ORGANISM: Artificial Sequence
 W--> 75 <220> FEATURE: No specific feature is noted.
 77 <223> OTHER INFORMATION: No other relevant information.
 80 <400> SEQUENCE: 3
 82 atttcctgta ac 12
 89 <210> SEQ ID NO: 4
 91 <211> LENGTH: 12
 93 <212> TYPE: DNA
 95 <213> ORGANISM: Unknown
 W--> 97 <220> FEATURE: No specific feature is noted.
 99 <223> OTHER INFORMATION: No other relevant information.
 102 <400> SEQUENCE: 4
 104 gttacaggaa at 12

**Does Not Comply
Corrected Diskette Needed**

(ps. 1-5)

delete, please do not
add a response
to line
2207,

Invalid
Response
Please see item
#10 on error
summary
sheet.

move to
section 2237

Invalid
Response, mandatory
2237
response
has to
be either
Artificial/
Unknown
or Genus
Species.

Invalid
response

Invalid
Response

Invalid Response

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TIME: 09:27:13

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04062004\J033303.raw

111 <210> SEQ ID NO: 5
113 <211> LENGTH: 30
115 <212> TYPE: DNA
117 <213> ORGANISM: Unknown
W--> 119 <220> FEATURE: No specific feature is noted. delete
121 <223> OTHER INFORMATION: No other relevant information. Invalid Response
124 <400> SEQUENCE: 5
126 tcagtgtgtgc tgcaacatgt tacaggaaat 30
133 <210> SEQ ID NO: 6
135 <211> LENGTH: 48
137 <212> TYPE: DNA
139 <213> ORGANISM: Unknown
W--> 141 <220> FEATURE: No specific feature is noted. delete
143 <223> OTHER INFORMATION: No other relevant information. Invalid Response
146 <400> SEQUENCE: 6
148 agtcacgacg acgttgtatc agtgctgtcg caacatgtta caggaaat 48
155 <210> SEQ ID NO: 7
157 <211> LENGTH: 12
159 <212> TYPE: DNA
161 <213> ORGANISM: Unknown
W--> 163 <220> FEATURE: No specific feature is noted. delete
165 <223> OTHER INFORMATION: No other relevant information. Invalid Response
168 <400> SEQUENCE: 7
170 caatgtcctt ta 12
177 <210> SEQ ID NO: 8
179 <211> LENGTH: 5
181 <212> TYPE: DNA
183 <213> ORGANISM: Unknown
W--> 185 <220> FEATURE: No specific feature is noted. delete
187 <223> OTHER INFORMATION: No other relevant information. Invalid Response
190 <400> SEQUENCE: 8
192 caatg 5
199 <210> SEQ ID NO: 9
201 <211> LENGTH: 11
203 <212> TYPE: DNA
205 <213> ORGANISM: Unknown
W--> 207 <220> FEATURE: No specific feature is noted. delete
209 <223> OTHER INFORMATION: No other relevant information. Invalid Response
212 <400> SEQUENCE: 9
214 caatgtcctt t 11
221 <210> SEQ ID NO: 10
223 <211> LENGTH: 10
225 <212> TYPE: DNA
227 <213> ORGANISM: Unknown
W--> 229 <220> FEATURE: No specific feature is noted. delete
231 <223> OTHER INFORMATION: No other relevant information. Invalid Response
234 <400> SEQUENCE: 10
236 caatgtcctt 10
243 <210> SEQ ID NO: 11

RAW SEQUENCE LISTING

DATE: 04/06/2004

PATENT APPLICATION: US/10/033,303

TIME: 09:27:13

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04062004\J033303.raw

Same errors

245 <211> LENGTH: 9
247 <212> TYPE: DNA
249 <213> ORGANISM: Unknown
W--> 251 <220> FEATURE: No specific feature is noted.
253 <223> OTHER INFORMATION: No other relevant information.
256 <400> SEQUENCE: 11
258 caatgtcct 9
265 <210> SEQ ID NO: 12
267 <211> LENGTH: 8
269 <212> TYPE: DNA
271 <213> ORGANISM: Unknown
W--> 273 <220> FEATURE: No specific feature is noted.
275 <223> OTHER INFORMATION: No other relevant information.
278 <400> SEQUENCE: 12
280 caatgtcc 8
286 <210> SEQ ID NO: 13
288 <211> LENGTH: 7
290 <212> TYPE: DNA
292 <213> ORGANISM: Unknown
W--> 294 <220> FEATURE: No specific feature is noted.
296 <223> OTHER INFORMATION: No other relevant information.
299 <400> SEQUENCE: 13
301 caatgtc 7
307 <210> SEQ ID NO: 14
309 <211> LENGTH: 6
311 <212> TYPE: DNA
313 <213> ORGANISM: Unknown
W--> 315 <220> FEATURE: No specific feature is noted.
317 <223> OTHER INFORMATION: No other relevant information.
320 <400> SEQUENCE: 14
322 caatgt 6
329 <210> SEQ ID NO: 15
331 <211> LENGTH: 4
333 <212> TYPE: DNA
335 <213> ORGANISM: Unknown
W--> 337 <220> FEATURE: No specific feature is noted.
339 <223> OTHER INFORMATION: No other relevant information.
342 <400> SEQUENCE: 15.
344 caat 4
351 <210> SEQ ID NO: 16
353 <211> LENGTH: 5
355 <212> TYPE: DNA
357 <213> ORGANISM: Unknown
W--> 359 <220> FEATURE: No specific feature is noted.
361 <223> OTHER INFORMATION: No other relevant information.
364 <400> SEQUENCE: 16
366 caatg 5
372 <210> SEQ ID NO: 17
374 <211> LENGTH: 12

RAW SEQUENCE LISTING

DATE: 04/06/2004

PATENT APPLICATION: US/10/033,303

TIME: 09:27:13

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04062004\J033303.raw

Same errors

376 <212> TYPE: DNA
378 <213> ORGANISM: Unknown
W--> 380 <220> FEATURE: No specific feature is noted.
382 <223> OTHER INFORMATION: No other relevant information.
385 <400> SEQUENCE: 17
387 caatgtcctt ta 12
393 <210> SEQ ID NO: 18
395 <211> LENGTH: 4
397 <212> TYPE: DNA
399 <213> ORGANISM: Unknown
W--> 401 <220> FEATURE: No specific feature is noted.
403 <223> OTHER INFORMATION: No other relevant information.
406 <400> SEQUENCE: 18
408 caat 4
415 <210> SEQ ID NO: 19
417 <211> LENGTH: 6
419 <212> TYPE: DNA
421 <213> ORGANISM: Unknown
W--> 423 <220> FEATURE: No specific feature is noted.
425 <223> OTHER INFORMATION: No other relevant information.
428 <400> SEQUENCE: 19
430 caatgt 6
437 <210> SEQ ID NO: 20
439 <211> LENGTH: 7
441 <212> TYPE: DNA
443 <213> ORGANISM: Unknown
W--> 445 <220> FEATURE: No specific feature is noted.
447 <223> OTHER INFORMATION: No other relevant information.
450 <400> SEQUENCE: 20
452 caatgtc 7
459 <210> SEQ ID NO: 21
461 <211> LENGTH: 8
463 <212> TYPE: DNA
465 <213> ORGANISM: Unknown
W--> 467 <220> FEATURE: No specific feature is noted.
469 <223> OTHER INFORMATION: No other relevant information.
472 <400> SEQUENCE: 21
474 caatgtcc 8
481 <210> SEQ ID NO: 22
483 <211> LENGTH: 9
485 <212> TYPE: DNA
487 <213> ORGANISM: Unknown
W--> 489 <220> FEATURE: No specific feature is noted.
491 <223> OTHER INFORMATION: No other relevant information.
494 <400> SEQUENCE: 22
496 caatgtcct 9
502 <210> SEQ ID NO: 23
504 <211> LENGTH: 10
506 <212> TYPE: DNA

RAW SEQUENCE LISTING

DATE: 04/06/2004

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TIME: 09:27:13

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04062004\J033303.raw

Same errors

508 <213> ORGANISM: Unknown
W--> 510 <220> ~~FEATURE:~~ No specific feature is noted.
512 <223> OTHER INFORMATION: No other relevant information.
515 <400> SEQUENCE: 23
517 caatgtcctt 10
524 <210> SEQ ID NO: 24
526 <211> LENGTH: 11
528 <212> TYPE: DNA
530 <213> ORGANISM: Unknown
W--> 532 <220> ~~FEATURE:~~ No specific feature is noted.
534 <223> OTHER INFORMATION: No other relevant information.
537 <400> SEQUENCE: 24
539 caatgtcctt t 11

VERIFICATION SUMMARY

DATE: 04/06/2004

PATENT APPLICATION: US/10/033,303

TIME: 09:27:14

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\04062004\J033303.raw

L:31 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:53 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:75 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:97 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:119 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:141 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:163 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:185 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:207 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:229 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:251 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:273 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:294 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:315 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:337 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:359 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:380 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:401 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:423 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:445 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:467 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:489 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:510 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:532 M:256 W: Invalid Numeric Header Field, <220> has non-blank data